

Name: John Robert Fouts | DOB: 1/31/1979 | MRN: EP00734755 | PCP: Joshua D Allen, MD | Legal Name: John Robert Fouts

PET/CT FDG Brain

UK Healthcare

 Not yet reviewed by care team.

Results

Impression

Image interpretation is based on both qualitative and quantitative assessments.

FDG PET/CT of the brain demonstrates pattern of regional cortical hypometabolism that might suggest early frontotemporal Dementia (FTD).

CRITICAL RESULT:
No.

COMMUNICATION:
Per this written report.

By electronically signing this report, I, the attending physician, attest that I have personally reviewed the images/data for the above examination(s) and agree with the final edited report.

Drafted by Obada AlHourani, MBBS on 4/1/2025 1:47 PM
Final report signed by Riham El Khouli, MD on 4/1/2025 4:59 PM

Narrative

CLINICAL INDICATION:
Dementia, nonvascular etiology suspected. Frontotemporal dementia suspected

TECHNIQUE:
Preparation: Last oral intake (except water) on March 31, 2025 at 10:00 PM.
Diabetic: No.
Blood glucose at time of FDG administration: 8.2 mg/dL.
Radiopharmaceutical: 5.65 mCi of F-18 FDG administered intravenously at right antecubital fossa at 12:19 PM.
Incubation interval: 30 minutes.
Oral contrast: Not applicable.
Positioning: Supine, arms by sides.
PET/CT scanner: Siemens Biograph 40 mCT.
PET/CT acquisition: Head (Brain).
Regional quantification: Siemens Scenium PET-FDG.
Standardized uptake value (SUV): Corrected for body weight only.
CT: Low-dose, non-breath-hold, without intravenous contrast.
TOTAL (brain) DLP (Dose Length Product): 668.78 mGy.cm mGy*cm.

COMPARISON/CORRELATION:
No comparison. Head MRI August 23, 2024..

FINDINGS:

Technical quality: Diagnostic.

PET/CT Brain:

Slightly asymmetrical cerebral cortical uptake , left showing lower FDG uptake than right.

Regional cortical and subcortical hypometabolism involving:

- * Frontal lobes
- * Temporal lobes
- * Parietal, to a lesser extent

Preserved cortical and subcortical metabolism of:

- * Occipital lobes
- * Precuneus and Posterior cingulate
- * Anterior cingulate
- * Basal ganglia and Thalami
- * Sensorimotor Strip

PET/CT Skull: No suspicious hypermetabolic foci.

Additional CT:

No acute intracranial abnormality.

No evidence of acute hemorrhage or ischemia.

Left anterior temporal arachnoid cyst, image 79.

Mild to moderate cerebral atrophy.

Mild periventricular supratentorial white matter low attenuation alterations, likely sequela of small vessel ischemic disease.

Normal ventricular size and configuration for age.

Clear paranasal sinuses and mastoid air cells.

Ordering provider: Gregory Jicha, MD

Reading physician: Riham El Khouli, MD

Study date: Apr 01, 2025 1:10 PM

Result date: Apr 01, 2025 4:59 PM

Result status: Final